

PAINT BOOTH – PBBSF100



Damper Control



Filtered Area



Italian Burner



Control Panel

Product description:

The PBBSF100 Paint booth is the standard design of an ECONOMIC Paint Booth delivered by DaTo.

Installed with Three blowers (two inlet speed blower motor of 3kw and one 4 KW blower on the exhaust), it delivers 19,000 m³/h of Air flow volume. The possibility of the Exhaust Blower enables the painter to have wider angle spray over the vehicle without over spray due to high sectional force. Also enables healthy and good breathing habits for the Painter.



Installed with Italian Burner (diesel) for baking function, the quick baking function eliminates dust free paint finish.

In most cases you can deliver the car without a polish. Optimized for high speed Glossy Painting.

The Oil consumption will be about 6 ~ 8 Kg/Set and the Insulation panel is with the PE.

Product Specifications:

PARAMETER	PBBSF100
Overall Dimension (m)	7.0*5.3*3.5
Inner Dimension (m)	6.9*3.9*2.7
Drive Through Door Width (m)	3
Drive Through Door Height (m)	2.7
Steel Plate Thickness (mm)	0.326
Filtrated Area (m ²)	20
Air Flow Volume (m ³ /h)	19000
Air Velocity within booth (m/s)	0.25~0.35
Ventilation Times (times/hr)	265
Working Temperature (°C)	60~80
Main Blower	Two Inlet 3 KW Blowers & one Exhaust 4 KW Standard Blower
Main Door	Door size : 3000×2700 mm (W×H): sheet metal door with square self-locking observation window. Standard production for doors, each folded door is 1000 wide,
Service door	750×2000mm (W×H) , edge is packaged with Aluminum alloy, with pressure locker and observation window.
Spray booth body system	Thickness of wall is 50mm, internal and external color plate $\delta = 0.326\text{mm}$, insert type, EPS insulation inside(with sealing,without film), 7000mm long, 6 panels each side, each panel is 1150mm wide; 4000mm wide, 3.5 panels each side, each panel is 1150mm wide, Ceiling roof plate is made of 0.7mm galvanized plate. Booth frame is made from galvanized steel plate.
Air suction System	Basement is made of galvanized plate, and the bottom supporting frame is assembled by cold pressing plate, 300mm high, basement is fixed with screws/ nuts and bolts. Two rows of floor grates (galvanized, width 750mm) and three grows of pattern plates (width 750mm). (1 row pattern plate in the middle, then 2 rows grates, then 2 rows pattern plates.) Floor grates is made of steel welded with twisted steel, angle welding reinforcement,pattern plates painted. Two pattern plates ramps.

PARAMETER	PBBSF100
Intake and exhaust system	<p>The cabinet is separated from the booth, air intake from behind. Cabinet is made of sprayed section bar and steel plate, galvanized steel plate.</p> <p>2 SETS OF INTAKE FANS: Power : 3KW ; Air volume : 8000-10000m³/h, Total volume : 16000-20000m³/h ;</p> <p>1 UNIT OF EXHAUST FAN: Power : 4KW、 Air volume : 10000-12000m³/h Total volume : 12000m³/h ;</p>
Exhaust tube Duct System	<p>Exhaust tubes/ducts are made of good quality galvanized plate and flange.</p> <p>5 pieces straight tubes+ 1 piece bent tube. Size: 740mm*740mm, Height: 1000mm.</p> <p>Tubes/Ducts are disassembled to save size of shipping</p> <p>Chimney for diesel burner smoke is 4 pieces (each is 1000mm high).</p>
Heating system	Diesel burner, Italy burner (Riello G20), tank stand+ tank, exchanger, electrical wind controller (electrical damper control)
Filters	Primary filter, ceiling filter and floor filter.
Lighting system	<p>Ceiling lights: 8 rows×4pcs=32pcs×18W, LED tube, horizontal, luminance: ≥800LUX</p> <p>Middle lights: 6 rows×2pcs=12pcs×18W, LED tube, Vertical tubes, installed inside the wall.</p>
Electric control System	Painting switch, spray switch, lighting switch, time setting, temperature setting, Power key, emergency stop, etc.
Empty speed	≥0.3m/s(on load)
Max Temperature	60 - 80 °C
Power	380V/3phase /50HZ
Total power	12KW